

### **ABSTRACT OF THE DISCLOSURE**

A cooling device for an internal stator of an electric machine. The stator includes a substantially cylindrical cavity having a substantially cylindrical internal surface. The cooling device includes a body defining an external substantially cylindrical contact surface. The cooling device further includes a biasing element connected to the body. The biasing element is so configured and sized as to bias the contact surface of the body against the internal surface of the rotor when the cooling device is positioned inside the cavity.